

T. Cunningham.

1644

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/991,628

DATE: 01/04/1998  
TIME: 14:19:59

Input Set: H991628.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

new format

ENTERED

1 <110> APPLICANT: STROMINGER, Jack L  
2 WUCHERPFENNIG, Kai  
3 <120> TITLE OF INVENTION: IDENTIFICATION OF SELF AND NON-SELF ANTIGENS IMPLICATED  
4 IN AUTOIMMUNE DISEASE  
5 <130> FILE REFERENCE: HAR-001DV  
6 <140> CURRENT APPLICATION NUMBER: US/08/991,628  
7 <141> CURRENT FILING DATE: 1997-11-15  
8 <150> EARLIER APPLICATION NUMBER: USSN 08/400,796  
9 <151> EARLIER FILING DATE: 1995-03-07  
10 <160> NUMBER OF SEQ ID NOS: 20  
11 <170> SOFTWARE: PatentIn Ver. 2.0  
12 <210> SEQ ID NO 1  
13 <211> LENGTH: 15  
14 <212> TYPE: PRT  
15 <213> ORGANISM: Homo sapiens  
16 <400> SEQUENCE: 1  
17 Ala Thr Gln Lys Ile Thr Tyr Arg Ile Ser Gly Val Gly Ile Asp  
18 1 5 10 15  
19 <210> SEQ ID NO 2  
20 <211> LENGTH: 15  
21 <212> TYPE: PRT  
22 <213> ORGANISM: Homo sapiens  
23 <400> SEQUENCE: 2  
24 Phe Gly Ile Phe Val Val Asp Lys Asn Thr Gly Asp Ile Asn Ile  
25 1 5 10 15  
26 <210> SEQ ID NO 3  
27 <211> LENGTH: 15  
28 <212> TYPE: PRT  
29 <213> ORGANISM: Homo sapiens  
30 <400> SEQUENCE: 3  
31 Leu Asn Ser Lys Ile Ala Phe Lys Ile Val Ser Gln Glu Pro Ala  
32 1 5 10 15  
33 <210> SEQ ID NO 4  
34 <211> LENGTH: 15  
35 <212> TYPE: PRT  
36 <213> ORGANISM: Homo sapiens  
37 <400> SEQUENCE: 4  
38 Thr Pro Met Phe Leu Leu Ser Arg Asn Thr Gly Glu Val Arg Thr  
39 1 5 10 15  
40 <210> SEQ ID NO 5  
41 <211> LENGTH: 15  
42 <212> TYPE: PRT  
43 <213> ORGANISM: Homo sapiens  
44 <400> SEQUENCE: 5

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45      Cys Glu Cys Asn Ile Lys Val Lys Asp Val Asn Asp Asn Phe Pro
46      1                      5                      10                      15
47      <210> SEQ ID NO 6
48      <211> LENGTH: 15
49      <212> TYPE: PRT
50      <213> ORGANISM: Homo sapiens
51      <400> SEQUENCE: 6
52      Ser Ala Arg Thr Leu Asn Asn Arg Tyr Thr Gly Pro Tyr Thr Phe
53      1                      5                      10                      15
54      <210> SEQ ID NO 7
55      <211> LENGTH: 15
56      <212> TYPE: PRT
57      <213> ORGANISM: Homo sapiens
58      <400> SEQUENCE: 7
59      Gln Ser Gly Thr Met Arg Thr Arg His Ser Thr Gly Gly Thr Asn
60      1                      5                      10                      15
61      <210> SEQ ID NO 8
62      <211> LENGTH: 15
63      <212> TYPE: PRT
64      <213> ORGANISM: Herpes simplex
65      <400> SEQUENCE: 8
66      Phe Arg Gln Leu Val His Phe Val Arg Asp Phe Ala Gln Leu Leu
67      1                      5                      10                      15
68      <210> SEQ ID NO 9
69      <211> LENGTH: 15
70      <212> TYPE: PRT
71      <213> ORGANISM: Adenovirus type 12
72      <400> SEQUENCE: 9
73      Asp Phe Glu Val Val Thr Phe Leu Lys Asp Val Leu Pro Glu Phe
74      1                      5                      10                      15
75      <210> SEQ ID NO 10
76      <211> LENGTH: 15
77      <212> TYPE: PRT
78      <213> ORGANISM: Pseudomonas aeruginosa
79      <400> SEQUENCE: 10
80      Asp Arg Leu Leu Met Leu Phe Ala Lys Asp Val Val Ser Arg Asn
81      1                      5                      10                      15
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83      <211> LENGTH: 15
84      <212> TYPE: PRT
85      <213> ORGANISM: Human Papillomavirus type 7
86      <400> SEQUENCE: 11
87      Ile Gly Gly Arg Val His Phe Phe Lys Asp Ile Ser Pro Ile Ala
88      1                      5                      10                      15
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90      <211> LENGTH: 15
91      <212> TYPE: PRT
92      <213> ORGANISM: Epstein-Barr virus
93      <400> SEQUENCE: 12
94      Thr Gly Gly Val Tyr His Phe Val Lys Lys His Val His Glu Ser

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95          1          5          10          15
96 <210> SEQ ID NO 13
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98 <212> TYPE: PRT
99 <213> ORGANISM: Influenza virus type A
100 <400> SEQUENCE: 13
101      Tyr Arg Asn Leu Val Trp Phe Ile Lys Lys Asn Thr Arg Tyr Pro
102          1          5          10          15
103 <210> SEQ ID NO 14
104 <211> LENGTH: 15
105 <212> TYPE: PRT
106 <213> ORGANISM: Reovirus type 3
107 <400> SEQUENCE: 14
108      Met Ala Arg Ala Ala Phe Leu Phe Lys Thr Val Gly Phe Gly Gly
109          1          5          10          15
110 <210> SEQ ID NO 15
111 <211> LENGTH: 15
112 <212> TYPE: PRT
113 <213> ORGANISM: Herpes simplex virus
114 <400> SEQUENCE: 15
115      Gly Gly Arg Arg Leu Phe Phe Val Lys Ala His Val Arg Glu Ser
116          1          5          10          15
117 <210> SEQ ID NO 16
118 <211> LENGTH: 15
119 <212> TYPE: PRT
120 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 16
122      Glu Asn Pro Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg
123          1          5          10          15
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125 <211> LENGTH: 5
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <221> NAME/KEY: VARIANT
130 <222> LOCATION: (1)
131 <223> OTHER INFORMATION: Xaa at position 1 is either Val, Leu, Ile, Met, or
132      Phe
133 <220> FEATURE:
134 <221> NAME/KEY: VARIANT
135 <222> LOCATION: (3)
136 <223> OTHER INFORMATION: Xaa at position 3 may be any amino acid
137 <220> FEATURE:
138 <221> NAME/KEY: VARIANT
139 <222> LOCATION: (4)
140 <223> OTHER INFORMATION: Xaa at position 4 is either Val, Leu, Ile, Met,
141      Phe, Tyr, or Trp
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid
144      sequence motif

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W--> 145 <400> SEQUENCE: 17  
146 Xaa His Xaa Xaa Lys  
147 1 5  
148 <210> SEQ ID NO 18  
149 <211> LENGTH: 6  
150 <212> TYPE: PRT  
151 <213> ORGANISM: Artificial Sequence  
152 <220> FEATURE:  
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid  
154 sequence motif  
155 <220> FEATURE:  
156 <221> NAME/KEY: VARIANT  
157 <222> LOCATION: (1)  
158 <223> OTHER INFORMATION: Xaa at position 1 is either Val, Leu, Ile, Ala, or  
159 Met  
160 <220> FEATURE:  
161 <221> NAME/KEY: VARIANT  
162 <222> LOCATION: (2)  
163 <223> OTHER INFORMATION: Xaa at position 2 is either Val, Leu, Ile, Ala, or  
164 Met  
165 <220> FEATURE:  
166 <221> NAME/KEY: VARIANT  
167 <222> LOCATION: (3)  
168 <223> OTHER INFORMATION: Xaa at position 3 is either His, Asn, Gln, or Phe  
169 <220> FEATURE:  
170 <221> NAME/KEY: VARIANT  
171 <222> LOCATION: (5)  
172 <223> OTHER INFORMATION: Xaa at position 5 is either Phe, Tyr, Trp, Val,  
173 Leu, Ile, Ala, or Met  
174 <220> FEATURE:  
175 <221> NAME/KEY: VARIANT  
176 <222> LOCATION: (6)  
177 <223> OTHER INFORMATION: Xaa at position 6 is either Lys or Arg  
W--> 178 <400> SEQUENCE: 18  
179 Xaa Xaa Xaa Phe Xaa Xaa  
180 1 5  
181 <210> SEQ ID NO 19  
182 <211> LENGTH: 5  
183 <212> TYPE: PRT  
184 <213> ORGANISM: Artificial Sequence  
185 <220> FEATURE:  
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid  
187 sequence motif  
188 <220> FEATURE:  
189 <221> NAME/KEY: VARIANT  
190 <222> LOCATION: (1)  
191 <223> OTHER INFORMATION: Xaa at position 1 is either Phe, Tyr, Trp, Val,  
192 Leu, Ile, Ala, or Met  
193 <220> FEATURE:  
194 <221> NAME/KEY: VARIANT

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195 <222> LOCATION: (2)  
196 <223> OTHER INFORMATION: Xaa at position 2 is either His, Asn, Gln, or Phe  
197 <220> FEATURE:  
198 <221> NAME/KEY: VARIANT  
199 <222> LOCATION: (4)  
200 <223> OTHER INFORMATION: Xaa at position 4 is either Phe, Tyr, Trp, Val,  
201 Leu, Ile, Ala, or Met  
202 <220> FEATURE:  
203 <221> NAME/KEY: VARIANT  
204 <222> LOCATION: (5)  
205 <223> OTHER INFORMATION: Xaa at position 5 is either Lys or Arg  
206 <400> SEQUENCE: 19  
W-OK 207 Xaa Xaa Phe Xaa Xaa  
208 1 5  
209 <210> SEQ ID NO 20  
210 <211> LENGTH: 5  
211 <212> TYPE: PRT  
212 <213> ORGANISM: Artificial Sequence  
213 <220> FEATURE:  
214 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid  
215 sequence motif  
216 <220> FEATURE:  
217 <221> NAME/KEY: VARIANT  
218 <222> LOCATION: (1)  
219 <223> OTHER INFORMATION: Xaa at position 1 is either Val, Leu, Ile, Ala, or  
220 Met  
221 <220> FEATURE:  
222 <221> NAME/KEY: VARIANT  
223 <222> LOCATION: (2)  
224 <223> OTHER INFORMATION: Xaa at position 2 is either His, Phe, Tyr, or Trp  
225 <220> FEATURE:  
226 <221> NAME/KEY: VARIANT  
227 <222> LOCATION: (3)  
228 <223> OTHER INFORMATION: Xaa at position 3 is either Phe, Tyr, Trp, Val,  
229 Leu, or Ile  
230 <220> FEATURE:  
231 <221> NAME/KEY: VARIANT  
232 <222> LOCATION: (4)  
233 <223> OTHER INFORMATION: Xaa at position 4 is either Phe, Tyr, Trp, Val,  
234 Leu, or Ile  
W-OK 235 <400> SEQUENCE: 20  
236 Xaa Xaa Xaa Xaa Lys  
237 1 5

Input Set: H991628.RAW

Line	Error/Warning	Original Text
146	W "N" or "Xaa" used: Feature required	Xaa His Xaa Xaa Lys
179	W "N" or "Xaa" used: Feature required	Xaa Xaa Xaa Phe Xaa Xaa
207	W "N" or "Xaa" used: Feature required	Xaa Xaa Phe Xaa Xaa
236	W "N" or "Xaa" used: Feature required	Xaa Xaa Xaa Xaa Lys